

[FIG.1]

107 SPREADING CONTROL SECTION

TRANSMISSION SIGNAL

RETRANSMISSION FLAG

5 110 CONTROL SECTION

102-1 SPREADING SECTION

102-2 SPREADING SECTION

102-N SPREADING SECTION

103-1 SPREADING SECTION

10 103-2 SPREADING SECTION

103-N SPREADING SECTION

104-1 ADDITION SECTION

104-2 ADDITION SECTION

105-1 TRANSMISSION SECTION

15 105-2 TRANSMISSION SECTION

[FIG.2]

CHANNEL QUALITY

MOVING SPEED

20 TRANSMISSION SIGNAL

RETRANSMISSION FLAG

111 DATA RECOGNITION SECTION

113 RETRANSMISSION CONTROL SECTION

112 BUFFER

25 TO SPREADING CONTROL SECTION 107

TO S/P CONVERSION SECTION 101

TO S/P CONVERSION SECTION 101

TO S/P CONVERSION SECTION 101

TO SPREADING CONTROL SECTION 107

[FIG.3]

SPACE

5 ANTENNA 1

ANTENNA 2

DATA 1 (USER 1 TO N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 2)

DATA 1 (USER N+1 TO 2N) + RETRANSMISSION DATA (SPREADING
10 CODE DIFFERENT FROM THAT OF ANTENNA 1)

DATA 2 (USER 1 TO N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 2)

DATA 2 (USER N+1 TO 2N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 1)

15 TIME

[FIG.4]

SPACE

ANTENNA 1

20 ANTENNA 2

DATA 1 (USER 1 TO N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 2)

DATA 2 (USER 1 TO N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 1)

25 DATA 1 (USER N+1 TO 2N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 2)

DATA 2 (USER N+1 TO 2N) + RETRANSMISSION DATA (SPREADING
CODE DIFFERENT FROM THAT OF ANTENNA 1)

TIME

[FIG.5]

SPACE

5 ANTENNA 1

ANTENNA 2

DATA 1 (USER 1 TO N) + RETRANSMISSION DATA

DATA 1 (USER N+1 TO 2N)

DATA 2 (USER 1 TO N) + RETRANSMISSION DATA

10 DATA 2 (USER N+1 TO 2N)

TIME

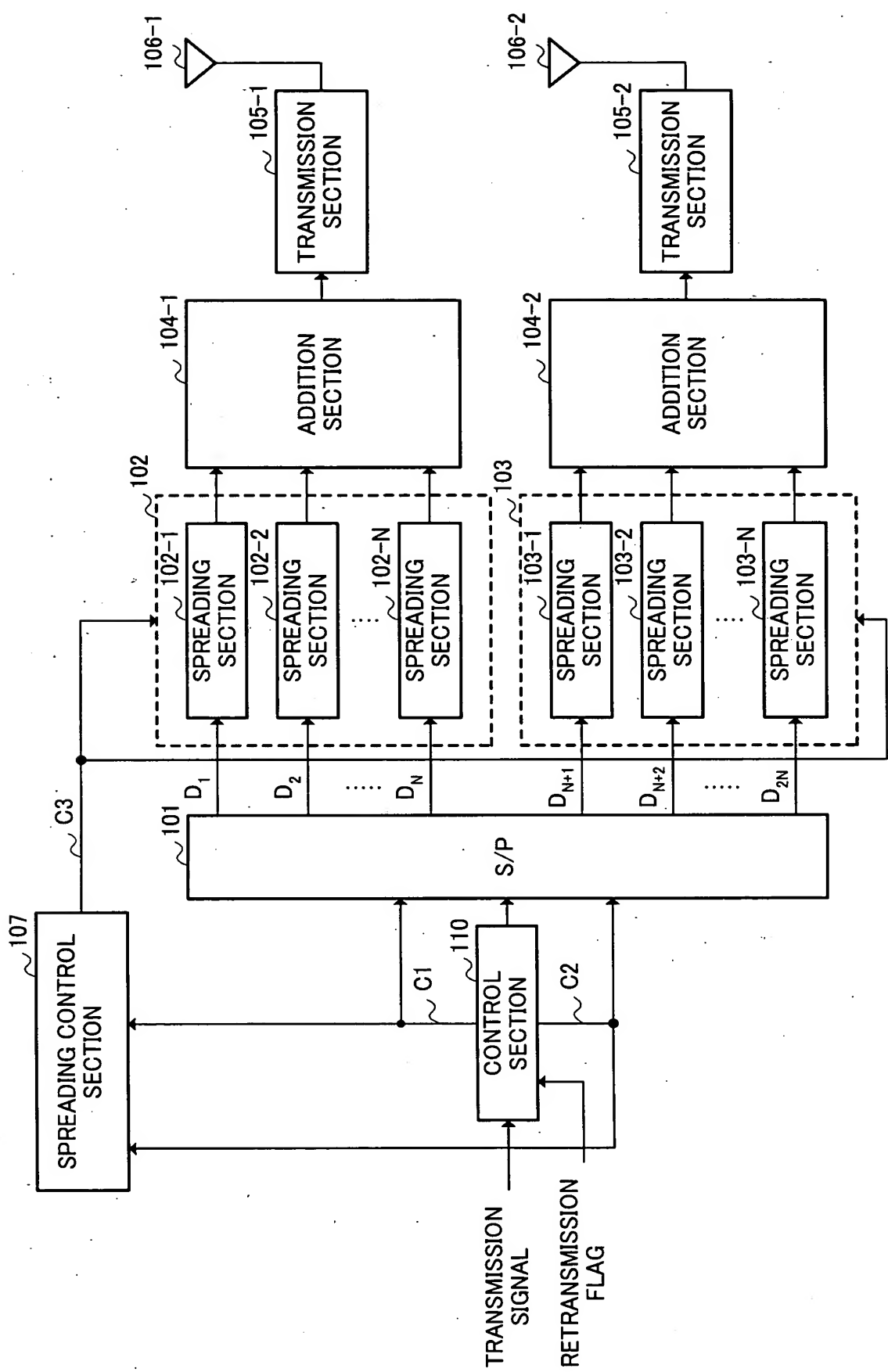


FIG.1

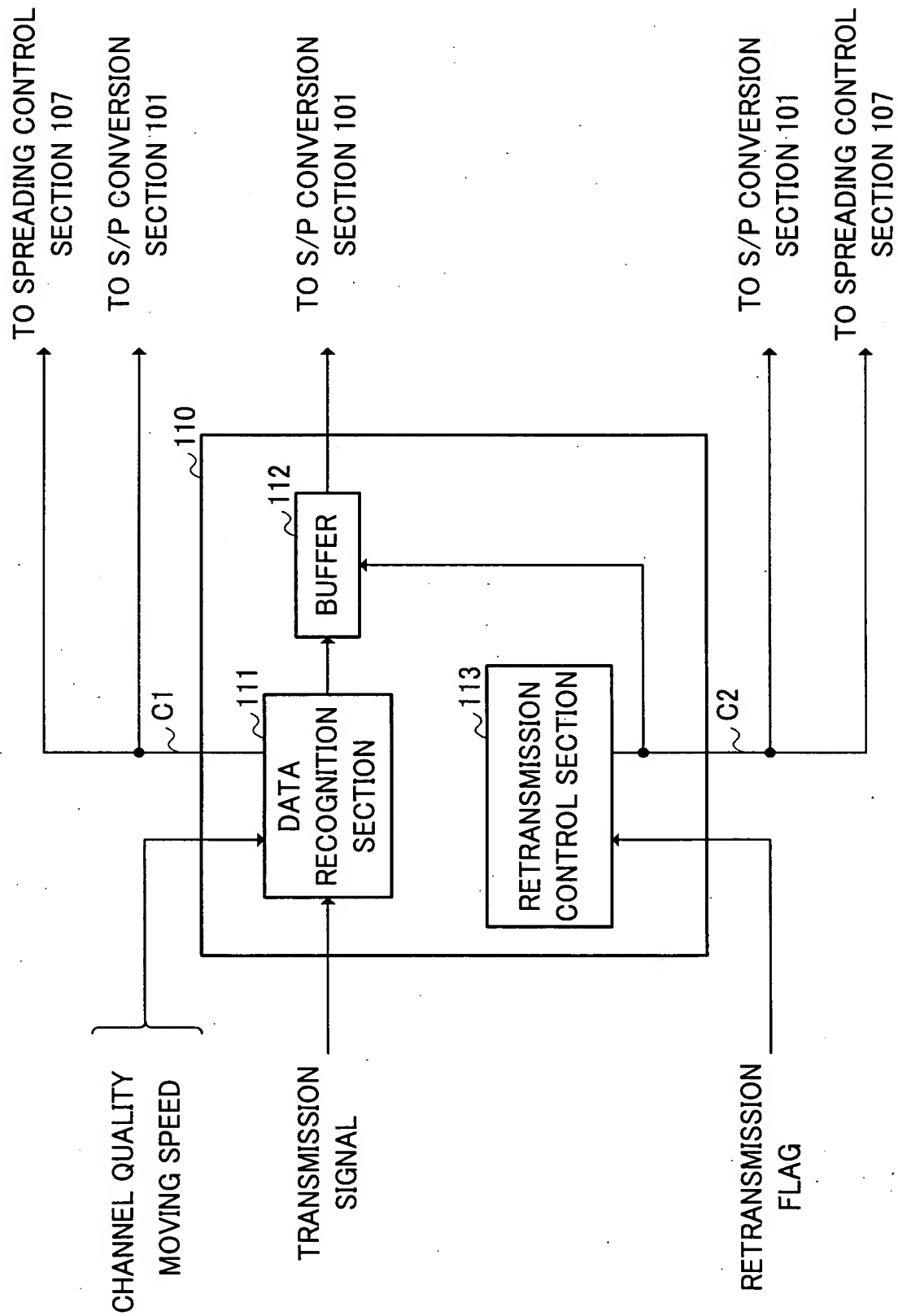


FIG. 2

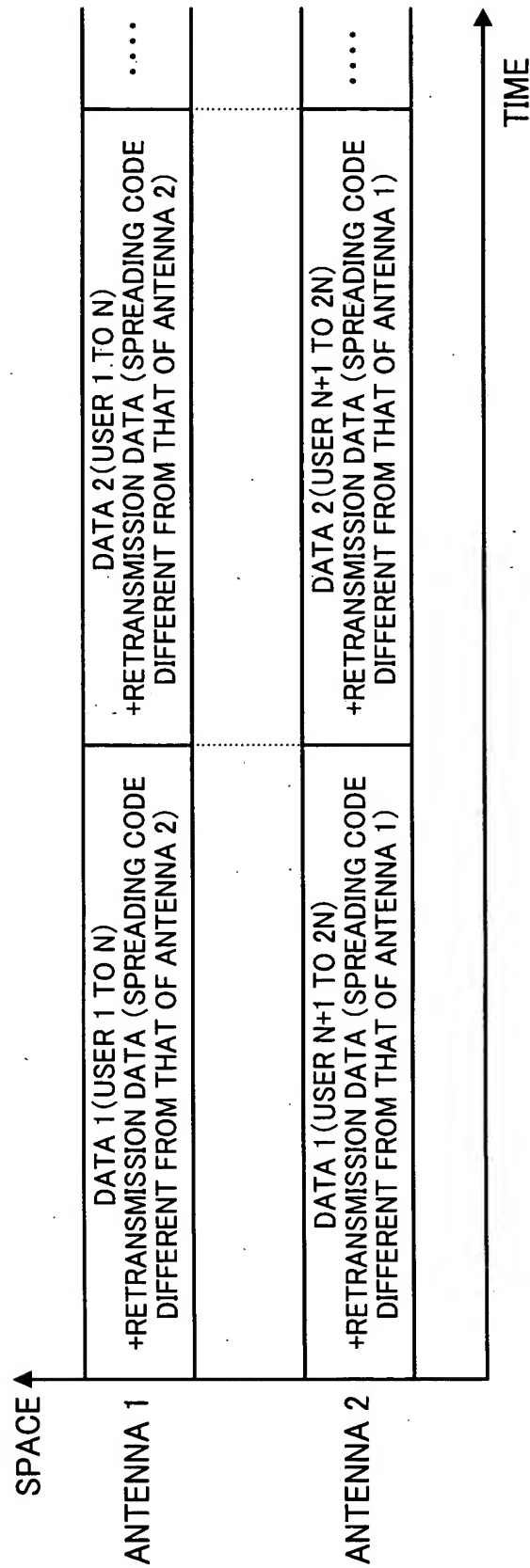


FIG.3

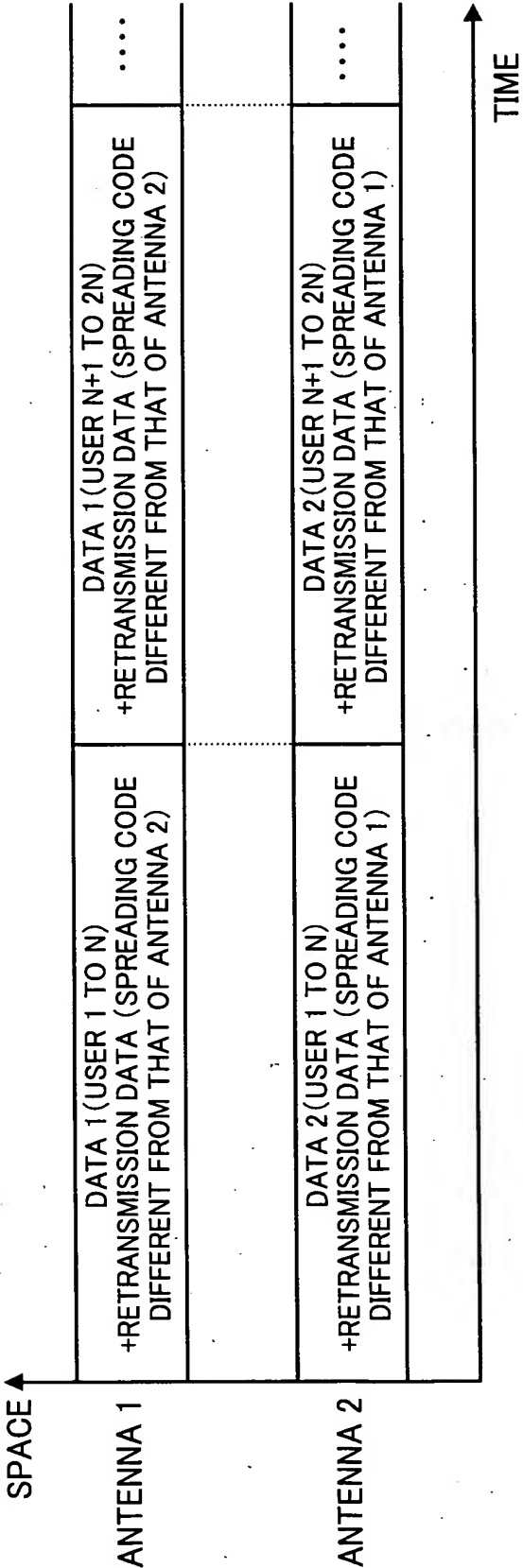
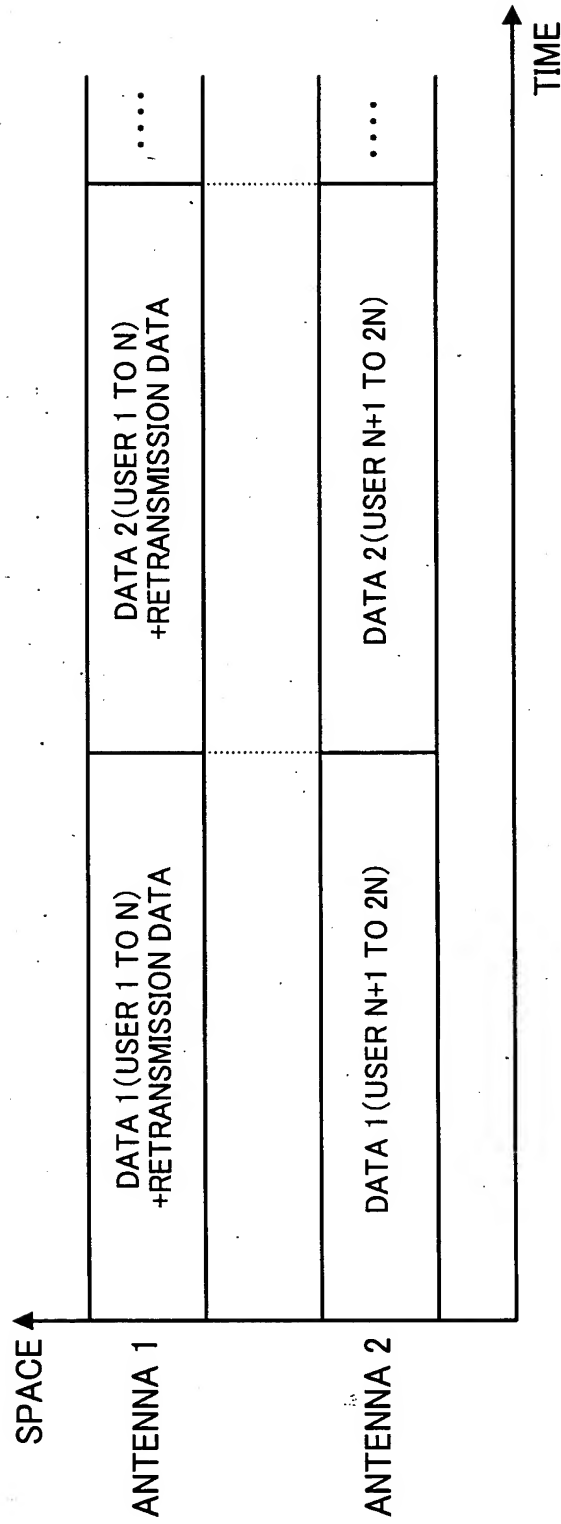


FIG.4



PRIOR ART

FIG.5